Title: Automatic Content Display Apparatus and Method

Applicant(s): Nishikawa et al.; Filing Date: March 23, 2004
Document: Response to the Final Office Action, dated April 13, 2010

Attorney Docket No. 81232 7114

Amendments to the Claims:

The following complete listing of the claims will replace all prior versions, and listings, of claims in the application. Kindly amend Claims 1, 2, 5, 7, 9, 11, 15, 17, and 20 as follows, wherein no new matter has been introduced.

Listing of Claims:

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 (currently amended) A method of automatically displaying content to at least one user, comprising:

providing access to a <u>plurality of</u> characterizing descriptors as individually correspond to a plurality of discrete selectable items of data;

on a display comprising a two-dimensional display region,

simultaneously providing a plurality of discrete indicators within the two-dimensional display region for at least some of the discrete selectable items of data, which discrete indicators comprise at least a portion of [[the]] a plurality of characterizing descriptors as corresponds to the discrete selectable items of data;

providing a segregated display area within the two-dimensional display region; and automatically causing relative movement as between the segregated display area and the plurality of discrete indicators by changing position along a dimension of the two-dimensional display region of one of the segregated display area and the plurality of discrete indicators;

providing at least one smart filter for facilitating determination of a particular one of the discrete selectable items of data, the at least one smart filter providing step comprising providing an enhanced suggestion engine for making at least one recommendation based on a content nature uniqueness at least one parameter selected from a group consisting essentially of a content nature uniqueness, a viewer identification, and a keyword, the at least one smart filter providing step comprising providing each at least one smart filter being customizable for each at least one user,

wherein the step of providing the at least one smart filter comprises providing at least two user-selectable characterizing descriptor filters,

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wherein the step of providing the at least two user-selectable characterizing descriptor filters comprises providing the descriptor filters in a relationship selected from a group consisting

essentially of a shared common filter criteria set and a mutually exclusive filter criteria set, and

wherein the at least one smart filter providing step comprises simultaneously considering

content across a plurality of media, thereby providing a coordinated joint display comprising a

plurality of integrated results, the plurality of integrated results comprising an aggregate pool of

candidate viewing choices being reducible on a basis of filter selection criteria from at least one

element selected from a group consisting essentially of a plurality of different sources and a plurality

of different formats; and

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automatically displaying additional content as corresponds to the plurality of characterizing

descriptors for a given one of the discrete indicators as interacts in a predetermined way, at least in

part, with the segregated display area.

2. (currently amended) The method of claim 1 wherein providing access to the plurality of

characterizing descriptors as individually correspond to a plurality of discrete selectable items of data

further comprises providing access to textual characterizing descriptors as individually correspond to

a plurality of discrete selectable items of data.

3. (original) The method of claim 1 wherein simultaneously providing a plurality of discrete

indicators further comprises simultaneously providing a plurality of content titles.

4 (original) The method of claim 1 wherein the plurality of discrete selectable items of data

comprises a plurality of discrete selectable items of audio/visual content.

5. (currently amended) The method of claim 4 wherein the plurality of characterizing

descriptors as individually correspond to a plurality of discrete selectable items of data comprises at

least one of:

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a programming network identifier;

a broadcast starting time;

a description of the audio/visual content; and

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content media source.

6. (original) The method of claim 4 wherein the plurality of discrete selectable items of

audio/visual content are embodied in a plurality of media.

7. (currently amended) The method of claim 4 wherein automatically displaying additional

content as corresponds to the <u>plurality of</u> characterizing descriptors for a given one of the <u>plurality of</u>

discrete indicators as interacts in a predetermined way, at least in part, with the segregated display area comprises automatically displaying video content as corresponds to the plurality of

characterizing descriptors for the given one of the plurality of discrete indicators.

8. (original) The method of claim 4 wherein the plurality of discrete selectable items of

audio/visual content comprises recently accessed items of audio/visual content.

9. (currently amended) A method of automatically displaying content to at least one user,

comprising:

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providing access to a plurality of characterizing descriptors as individually correspond to a

plurality of discrete selectable items of data;

providing a plurality of user-selectable characterizing descriptor filter criteria;

on a display comprising a two-dimensional display region,

simultaneously providing a plurality of discrete indicators within the two-dimensional display region for at least a portion of the discrete selectable items of data as corresponds to a

present selection of a characterizing descriptor filter criterion, which discrete indicators

comprise at least a portion of the <u>plurality of characterizing descriptors</u> as corresponds to the

plurality of discrete selectable items of data;

providing a segregated display area within the two-dimensional display region; and

automatically causing relative movement as between the segregated display area and

the plurality of discrete indicators by changing position along a dimension of the two-

dimensional display region of one of the segregated display area and the plurality of discrete

indicators:

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providing at least one smart filter for facilitating determination of a particular one of the <u>plurality of</u> discrete selectable items of data, the at least one smart filter providing step comprising providing an enhanced suggestion engine for making at least one recommendation based on a <u>content</u>

<u>nature uniqueness</u> at least one parameter selected from a group consisting essentially of a content

nature uniqueness. a viewer identification, and a keyword, the at least one smart filter providing step

comprising providing each at least one smart filter being customizable for each at least one user, wherein the step of providing the at least one smart filter comprises providing at least two user-selectable characterizing descriptor filters.

wherein the step of providing the at least two user-selectable characterizing descriptor filters comprises providing the descriptor filters in a relationship selected from a group consisting essentially of a shared common filter criteria set and a mutually exclusive filter criteria set, and

wherein the at least one smart filter simultaneously considers content across a plurality of media, thereby providing a coordinated joint display comprising a plurality of integrated results, the plurality of integrated results comprising an aggregate pool of candidate viewing choices being reducible on a basis of filter selection criteria from at least one element selected from a group consisting essentially of a plurality of different sources and a plurality of different formats; and

automatically displaying additional content as corresponds to the characterizing descriptors for a given one of the discrete indicators as interacts in a predetermined way, at least in part, with the segregated display area.

- 10. (original) The method of claim 9 wherein the plurality of discrete selectable items of data comprise a plurality of discrete selectable items of audio/visual content.
- 11. (currently amended) The method of claim 10 wherein the plurality of user-selectable characterizing descriptor filter criteria includes at least one of:

<u>a plurality of</u> recently viewed discrete selectable items of data; and <u>a plurality of</u> recommended discrete selectable items of data.

12. (original) The method of claim 9 and further comprising: detecting user selection of a particular one of the plurality of discrete indicators.

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13. (original) The method of claim 12 and further comprising: sending a signal indicating user

selection of the particular one of the plurality of discrete indicators.

14. (original) The method of claim 12 and further comprising: detecting a remote control device

signal indicating the user selection of a particular one of the plurality of discrete indicators.

15. (currently amended) An interactive automatic data display system for at least one user,

comprising:

a plurality of characterizing descriptors as individually correspond to a plurality of discrete

selectable items of data;

at least one smart filter for facilitating determination of a particular one of the plurality of

discrete selectable items of data, the at least one smart filter comprising an enhanced suggestion

engine for making at least one recommendation based on a content nature uniqueness at least one

parameter-selected from a group consisting essentially of a content nature uniqueness, a viewer identification, and a keyword, each at least one smart filter being customizable for each at least one

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wherein the at least one smart filter comprises at least two user-selectable characterizing

descriptor filters,

wherein the at least two user-selectable characterizing descriptor filters comprise a

relationship selected from a group consisting essentially of a shared common filter criteria set and a

15 mutually exclusive filter criteria set, and

wherein the at least one smart filter simultaneously considers content across a plurality of

media, whereby a coordinated joint display, comprising a plurality of integrated results, is provided,

the plurality of integrated results comprising an aggregate pool of candidate viewing choices being

reducible on a basis of filter selection criteria from at least one element selected from a group

consisting essentially of a plurality of different sources and a plurality of different formats; and

control circuitry that:

displays a plurality of discrete indicators within a two-dimensional display region for

at least some of the plurality of discrete selectable items of data, which a plurality of discrete

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indicators comprise at least a portion of the characterizing descriptors as corresponds to the plurality of discrete selectable items of data;

provides a segregated display area within the two-dimensional display region;

automatically causes relative movement as between the segregated display area and the plurality of discrete indicators by changing position along a dimension of the twodimensional display region of one of the segregated display area and the plurality of discrete indicators: and

automatically displays additional content as corresponds to the <u>plurality of</u> characterizing descriptors for a given one of the discrete indicators as interacts in a predetermined way, at least in part, with the segregated display area.

- 16. (original) The interactive data display system of claim 15 wherein the plurality of discrete selectable items of data comprises a plurality of discrete selectable items of audio/visual content.
- 17. (currently amended) The interactive data display system of claim 16 wherein the additional content as corresponds to the <u>plurality of</u> characterizing descriptors for a given one of the <u>plurality of</u> discrete indicators as interacts in a predetermined way, at least in part, with the segregated display area comprises video content.
- 18. (original) The interactive data display system of claim 15 wherein the control circuitry further: detects user selection of a particular one of the plurality of discrete indicators.
- 19. (original) The interactive data display system of claim 18 wherein the control circuitry further: sends a signal indicating user selection of the particular one of the plurality of discrete indicators.
- 20. (currently amended) The method of claim 1,

wherein providing access to the plurality of characterizing descriptors as individually correspond to a plurality of discrete selectable items of data further comprises providing access to a

selectable items of data.

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 $\underline{\text{plurality of }} \text{ textual characterizing descriptors as individually correspond to a plurality of discrete}$

wherein simultaneously providing a plurality of discrete indicators further comprises simultaneously providing a plurality of content titles.

wherein the plurality of discrete selectable items of data comprises a plurality of discrete selectable items of audio/visual content.

wherein the <u>plurality of</u> characterizing descriptors as individually correspond to a plurality of discrete selectable items of data comprises at least one of:

a programming network identifier;

a broadcast starting time;

a description of the audio/visual content; and

content media source,

wherein the plurality of discrete selectable items of audio/visual content are embodied in a plurality of media,

wherein automatically displaying additional content as corresponds to the <u>plurality</u> of characterizing descriptors for a given one of the discrete indicators as interacts in a predetermined way, at least in part, with the segregated display area comprises automatically displaying video content as corresponds to the <u>plurality</u> of characterizing descriptors for the given one of the <u>plurality</u> of discrete indicators, and

wherein the plurality of discrete selectable items of audio/visual content comprises a <u>plurality</u> of recently accessed items of audio/visual content, <u>and</u>

wherein the at least one recommendation is based on at least one further parameter selected from a group consisting essentially of a viewer identification and a keyword.